



COUNTY BOROUGH OF BURY.

ANNUAL REPORT

OF THE

Medical Officer of Health

FOR THE YEAR

1923.

BY

G. GRANVILLE BUCKLEY,

M.D., D.P.H.,

MEDICAL OFFICER OF HEALTH, CHIEF TUBERCULOSIS OFFICER,

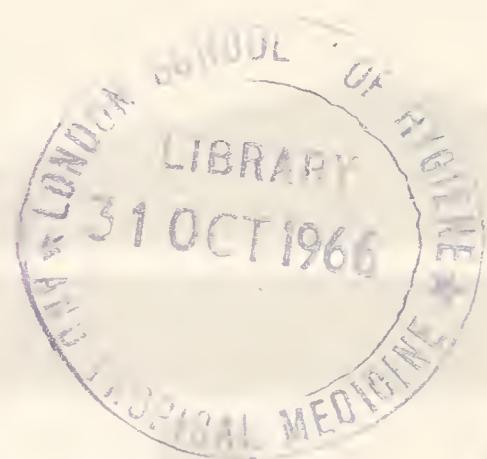
MEDICAL OFFICER TO THE EDUCATION COMMITTEE.

BURY:

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1924,

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HEALTH COMMITTEE, 1923.

Chairman - Councillor JOHNSON.

Deputy-Chairman - Councillor JANE TAYLOR.

HIS WORSHIP THE MAYOR (Councillor A. Redford),	Councillor EVANS,
Alderman ASHWORTH,	„ O. S. HALL,
„ BRADLEY,	„ R. B. HALL,
„ COLLINGE,	„ KAY,
„ GREENHALGH,	„ LEPP,
„ HARGREAVES,	„ PEARSON,
Councillor HENRY	„ PICKLES,
ASHWORTH,	„ SALTER,
„ BATTERSBY,	„ J. SMITH,
	„ WILKINSON.

*Meetings—The Wednesday in each month immediately preceding
the 14th day before the Council, at 10-0 a.m.*

OFFICIALS OF THE HEALTH DEPARTMENT.

Inspector of Nuisances, District Inspector of Moorside, East, and part of Redvales Wards, Inspector under Shop Hours' Acts, Inspector under Explosives Act, &c. :—JOHN HAWORTH, Cert. R.S.I., Certified Sanitary Engineer, Certified Inspector of Meat and other Food.

District Inspector for Church, Elton, and part of Redvales Wards, Inspector under Canal Boat Acts, &c. :—SAMUEL KAY, Cert. R.S.I.

Smoke Inspector, Inspector of Infectious Diseases, Common Lodging Houses, &c. :—HENRY MITCHELL, Cert. R.S.I.

Abattoirs Superintendent, Inspector of Meat, and of Dairies, Cowsheds, and Milkshops; Inspector of Offensive Trades, &c. :—HARRY WALTON, Cert. R.S.I., Certified Inspector of Meat and other Foods, and Inspector under the Diseases of Animals Acts.

* *Health Visitors, Inspectors of Workshops (where Females are employed), Inspectors under Shop Hours' Acts, Inspectors of Midwives, &c. :—Nurses S. PENNINGTON, Certified Midwife, B. GREENHALGH, Certified Midwife, E. WEBSTER, Certified Midwife, Cert. R.S.I., and AGNES HOLLINGWORTH, Certified Midwife.*

* *School Visitors :—LILIAN H. RISHTON, M.I.H., and MINNIE E. TAYLOR, Certified Midwife.*

Chief Clerk :—P. WOOD. Assistant Clerks :—L. KAY and C. PROPHET.

* *Medical Officer of Health :*
G. GRANVILLE BUCKLEY, M.D., Ch.B., D.P.H.

* *Assistant Medical Officer of Health :*
CLAUDE S. HARWOOD, M.D., B.Sc., D.P.H.

Inspector under Food and Drugs Acts :
H. C. CASS (Markets Inspector).

Borough Analyst :—THOMAS J. HUTCHINSON, F.I.C.

Veterinary Surgeon : W. NOAR, M.R.C.V.S.

Veterinary Inspector under Diseases of Animals Acts :
W. PACKMAN, M.R.C.V.S.

*Salary Contribution made under Public Health Acts or by Exchequer Grants.

Public Health Department,

Clough Street,

BURY,

August, 1924.

To the Chairman and Members of the Health Committee.

Gentlemen,

I have the honour to present to you my 12th Annual Report on the health and sanitary circumstances of your Borough during the year 1923.

In a circular issued by the Ministry of Health it has been suggested that Annual Reports of a full and detailed character (to be known as "Survey" Reports) shall only be issued at intervals of not more than five years. In other years Reports of a more simple character (to be referred to as "Ordinary" Reports) should be issued. The present Report is an "Ordinary" one, and the next "Survey" Report will be issued in 1925.

I regret to report that several of the important Mortality rates for 1923 compare unfavourably with those of the previous year. The general death rate for the Borough was 15.95 per 1,000, compared with a rate of 14.93 for 1922, and 11.6 for England and Wales as a whole. Phthisis accounts for 19 more deaths than in 1922, Cancer for 16 and Pneumonia for 43 more. Violent deaths (accident, etc.) numbered 22, compared with 9 in the previous year.

The Infant Mortality rate was 101 per 1,000 births, compared with 82 in the previous year, and 69 for England and Wales. The rate (82) for 1922 was the lowest on record for the Borough. Although the actual number of deaths of children under one year was only 10 more than the figure for 1922, the rate was increased by 19 owing to the fact that fewer births took place. The average Infant Mortality rate in Bury for the 10 years 1913 to 1922 was 106.

The death rate from Phthisis also shows an increase over that of the previous year (0.94 compared with 0.61).

A circumstance which, in my opinion, has a direct bearing on the general death-rate and particularly on the Infant Mortality rate is the continued existence of a large number of sanitary conveniences of the privy-midden type. A census has recently been taken of the sanitary conveniences of various types existing in the Borough, and from this it appears that there are

- 8,223 fresh water closets.
- 3,184 waste water closets.
- 560 pail closets.
- 4,230 privy closets.

Only 444 conversions to the Water Carriage System have been carried out during the past 5 years, and of these 178 have been converted during 1923. At the present rate of progress nearly 30 years will have elapsed before the whole of the sanitary conveniences have been converted to the Water Carriage System.

Privy middens which are in such a condition as to cause a nuisance can be dealt with under the Public Health Act, but where no nuisance exists the matter must be dealt with under the Public Health Acts Amendment Act, and in such cases the Corporation must pay the whole cost of conversion in the case of pail closets and half the cost in the case of other types. Under the present system the Cleansing Committee provides a certain number of closet fittings each year (to the value of £500 last year), and these are offered free to property owners who are willing to carry out the conversions. It is urgently necessary that this work should be speeded up, and to that end the Corporation should allocate a certain sum per annum for the purpose so as to make possible within a reasonable time the conversion to the Water Carriage System of all the sanitary conveniences in the Borough.

I am, Gentlemen,

Yours obediently,

G. GRANVILLE BUCKLEY,

Medical Officer of Health.

County Borough of Bury.

STATISTICAL SUMMARY, 1923.

Situation—Latitude, 53° 36' N.; Longitude, 2° 18' W.	
Population (estimated 1923)	57,250
„ (census 1921)	56,426
Number of Inhabited Houses (census 1911)	13,919
Marriages (Bury)	462
Births	{ Males 433 Females ... 433 } Total ... 866
„ (Illegitimate) ...	{ Males 22 Females ... 24 } Total ... 46
Annual Rate of Births per 1,000 of the Population	15.01
Deaths	{ Males 446 Females ... 467 } Total ... 913
Annual Rate of Mortality per 1,000 of the population ...	15.95
Excess of Registered Deaths over Births	47
Infant Mortality	101 per 1,000 Births.
Area (acres)	5,925
Rateable value	£377,448
Sum represented by a penny rate	£1,340

LEGAL SUMMARY.

Statutes in force in the Borough (other than Public General Acts):—

LOCAL ACT.

Bury Corporation Act, 1909.

ACTS CONFIRMING PROVISIONAL ORDERS.

Local Government Board's Provisional Orders Confirmation (No. 17) Act, 1903. (An Act to confirm certain Provisional Orders relating to Bury and the Bury and District Joint Hospital Board.)

ACTS CONFIRMING PROVISIONAL ORDERS (Continued).

Local Government Board's Provisional Orders Confirmation (No. 5) Act, 1911, which confirmed a Provisional Order made by the Local Government Board for the inclusion of Warth Fold within the Borough as from the 9th November, 1911.

Local Government Board's Provisional Orders Confirmation (No. 10) Act, 1914, which confirmed an Order authorising the carrying out of certain street improvements.

Local Government Board's Provisional Orders Confirmation (No. 15) Act, 1912, confirming the Bury (Extension) Financial Adjustments Order, 1912.

Local Government Board's Provisional Orders Confirmation (No. 1) Act, 1913, repealing Section 212 of the Bury Corporation Act, 1909, and the tenth Schedule, and abolishing the special rating districts, or added area differential rating.

Local Government Board's Provisional Orders Confirmation (No. 13) Act, 1914, repealing Section 141 of the Bury Corporation Act, 1909, which prohibited streets being laid out for building purposes exceeding 100 yards in length without an intersecting street every 100 yards.

Tramways Orders Confirmation Act, 1915, authorising the extension of the Bury Tramways to the New Inn, Walmersley, and at Jericho.

ACTS ADOPTED.

Public Health Acts Amendment Act, 1890. (March 5th, 1891; came into operation May 1st, 1891.)

Infectious Diseases (Prevention) Act, 1890. (August 2nd, 1900; came into operation October 1st, 1901.)

Housing of the Working Classes Act, 1890—Part III. (June 3rd, 1909.)

ACTS ADOPTED (Continued).

Notification of Births Act, 1907. (March 5th, 1908.)

Public Health Acts Amendment Act, 1907. Orders made, declaring certain Parts and Sections thereof to be in force in the Borough, by the Local Government Board on November 8th, 1909 (came into operation 1st January, 1910), and by the Secretary of State on October 13th, 1909.

ACTS CONSTITUTING CERTAIN JOINT AUTHORITIES—

- (i.) as to prevention of pollution of rivers, namely : Local Government Board's Provisional Orders Confirmation (No. 10) Act, 1891. (Confirming a Provisional Order constituting a Joint Committee, under section 14 of the Local Government Act, 1888, to enforce the provisions of the Rivers Pollution Prevention Act, 1876, in relation to parts of the Rivers Irwell and Mersey);
- (ii.) as to water supply, namely :—Bury and District Water (Transfer) Act, 1900 (constituting the Bury and District Joint Water Board).

Causes of, and Ages at Death during the Year 1923.

Causes of Death.	Nett Deaths at the subjoined Ages of Residents, whether occurring within or without the District.										Total Deaths whether of Residents or Non-residents in Institutions in the District.
	All ages.	Under 1 year.	1 and under 2.	2 and under 5.	5 and under 15.	15 and under 25.	25 and under 45.	45 and under 65.	65 and upwards.		
All Causes { Certified ...	902	88	16	15	16	27	118	278	344	248	
Uncertified ..	11	..	..	..	..	..	..	6	5		
Enteric Fever .....	..	..	..	..	..	..	..	..	..	..
Smallpox .....	..	..	..	..	..	..	..	..	..	..
Measles	12	5	2	5	..	..	..	..	..	..
Scarlet Fever	3	..	..	1	1	..	..	..	..	2	
Whooping Cough	2	..	..	1	1	..	..	..	..	..
Diphtheria and Croup .....	..	..	..	..	..	..	..	..	..	..
Influenza	37	..	1	..	1	..	13	14	8	3	
Erysipelas	1	..	..	..	..	..	..	1	..	..
Phthisis (Pulmonary Tuberculosis)	54	..	..	..	..	10	25	16	3	6	
Tuberculous Meningitis ..	2	..	..	1	..	1	..	..	..	..
Other Tuberculous Diseases ..	3	..	..	..	..	2	..	1	..	3	
Cancer, Malignant Disease ..	85	..	..	..	..	..	7	39	39	26	
Rheumatic Fever .....	..	..	..	..	..	..	..	..	..	..
Heart Diseases	131	3	..	..	1	..	8	50	69	61	
Bronchitis	118	9	2	..	..	..	5	45	57	20	
Pneumonia (all forms) ..	113	13	10	2	4	8	19	38	19	13	
Other Diseases of Respiratory Organs	8	2	..	..	..	1	1	2	2	..	
Diarrhoea and Enteritis ..	4	4	..	..	..	..	..	..	..	..
Appendicitis and Typhlitis ..	1	..	..	..	..	1	..	..	..	2	
Cirrhosis of Liver	3	..	..	..	..	..	..	2	1	..	
Alcoholism .....	..	..	..	..	..	..	..	..	..	..
Nephritis and Bright's Disease	25	..	..	..	..	..	8	6	11	6	
Puerperal Fever	2	..	..	..	..	..	2	..	..	1	
Other accidents & Diseases of Pregnancy and Parturition .....	..	..	..	..	..	..	..	..	..	..
Congenital Debility and Malformation, including Premature Birth	39	39	..	..	..	..	..	..	..	1	
Violent Deaths, excluding Suicides	22	2	..	2	2	1	3	7	5	19	
Suicides	7	..	..	..	..	..	2	4	1	4	
Other Defined Diseases ..	199	4	..	1	6	3	24	59	102	74	
Diseases Ill-defined or Unknown	42	7	1	2	..	..	..	..	32	7	
	913	88	16	15	16	27	118	284	349	248	

INFANT MORTALITY, 1923

Nett Deaths from stated causes at various Ages under One Year of Age.

CAUSE OF DEATH.	Under 1 week.	1-2 weeks.	2-3 weeks.	3-4 weeks.	Total under 1 month	1-3 Months.	3-6 Months.	6-9 Months.	9-12 Months.	Total Deaths under 1 year.
All Causes { Certified	20	4	13	5	42	10	12	13	11	88
Uncertified .....	..	..	..	..	..	..	..	..	..	..
Smallpox.....	..	..	..	..	..	..	..	..	..	..
Chicken-pox.....	..	..	..	..	..	..	..	..	..	..
Measles.....	..	..	..	..	..	..	..	4	1	5
Scarlet Fever.....	..	..	..	..	..	..	..	..	..	..
Whooping Cough.....	..	..	..	..	..	..	..	..	..	..
Diphtheria.....	..	..	..	..	..	..	..	..	..	..
Erysipelas.....	..	..	..	..	..	..	..	..	..	..
Tuberculous Meningitis.....	..	..	..	..	..	..	..	..	..	..
Abdominal Tuberculosis.....	..	..	..	..	..	..	..	..	..	..
Other Tuberculous Diseases.....	..	..	..	..	..	..	..	..	..	..
Meningitis (not Tuberculous).....	..	..	..	..	..	1	..	..	..	1
Convulsions.....	2	..	..	1	3	2	..	..	2	7
Laryngitis.....	..	..	..	..	..	..	..	..	..	..
Bronchitis.....	..	1	..	..	1	1	2	4	1	9
Pneumonia (all forms).....	..	..	1	..	1	1	3	3	5	13
Diarrhoea.....	..	..	1	..	1	..	2	1	..	4
Enteritis.....	..	..	..	..	..	..	..	..	..	..
Gastritis.....	..	..	..	1	1	..	..	..	..	1
Syphilis.....	1	..	..	..	1	..	..	..	..	1
Rickets.....	..	..	..	..	..	..	..	..	..	..
Suffocation, overlying.....	..	..	..	..	..	..	1	..	..	1
Injury at Birth.....	1	..	..	..	1	..	..	..	..	1
Atelectasis.....	1	..	..	..	1	..	..	..	..	1
Congenital Malformations.....	2	..	..	..	2	..	..	..	..	2
Premature Birth.....	9	1	7	..	17	1	..	1	..	19
Atrophy, Debility & Marasmus..	..	1	3	2	6	2	1	..	2	11
Other Causes.....	4	1	1	1	7	2	3	..	..	12
	20	4	13	5	42	10	12	13	11	88

Nett Births in the year { Legitimate.. 820
Illegitimate.. 46Nett Deaths in the year { Legitimate Infants .. 78
Illegitimate Infants .. 10

Vital Statistics of Whole District during 1923 and Previous Years.

YEAR	BIRTHS.		TOTAL DEATHS REGISTERED IN THE DISTRICT.		Transferable Deaths of Non-residents registered in the District.	Transferable Deaths of Residents not registered in the District.	NETT DEATHS BELONGING TO THE DISTRICT.		At all Ages.			
							Under 1 Year of Age.					
	Population estimated to middle of each Year.	Nett.	Number.	Rate			Number.	Rate per 1000 nett Births.	Number.	Rate.		
1918	51851	728	12.73	1096	21.13	164	44	80	110	976	19.13	
1919	54248	738	13.06	1014	18.69	146	48	68	92	916	16.88	
1920	56410	1118	19.66	912	16.16	136	45	102	91	821	14.55	
1921	57600	1089	18.91	841	14.60	124	49	93	85	766	13.30	
1922	57400	949	16.53	946	16.48	143	54	78	82	857	14.93	
1923	57250	866	15.01	985	17.21	118	46	88	101	913	15.95	

Area of District in acres (land and inland water) 5925.

Total population at all ages 59040
Total families or separate occupiers 13919
Average number of persons per house 4.24

At Census
of 1911.
of 1911.

INQUESTS DURING THE YEAR.

During the year the causes of death of 62 Bury residents were investigated by the District Coroner (Mr. S. F. Butcher). In 51 instances it was found advisable to hold an inquest, and of this number 33 related to the bodies of males and 18 to the bodies of females. In 11 cases a public enquiry was dispensed with.

UNCERTIFIED DEATHS.

The number of uncertified deaths (i.e., deaths which had not been certified by a medical man, or cases in which the Coroner considered an inquest unnecessary) was 11, 8 being of males and 3 of females.

INFANT MORTALITY.

Number of births during the year	866
Number of deaths of children under one year of age...	88
Infant Mortality Rate, per 1,000 births	101

The following table shows the number of deaths of infants per 1,000 births in Bury during the past eleven years :—

Influence of Feeding on Infant Mortality.—During the year the following information has been obtained as to the method of feeding of 790 of the 847 infants notified. Of these:

662 were breast-fed, amongst which were 16 deaths, i.e., 2.24%
 98 „ bottle-fed „ „ 12 „ „ 12.25%
 22 „ breast and bottle-fed „ „ 5 „ „ 22.73%
 8 „ spoon-fed „ „ 7 „ „ 87.50%
 16 died within 24 hours of birth, or no particulars could be obtained. •

41 were still-births.

Of the 88 deaths which have been recorded of children under one year of age, the following is an analysis of the nature of feeding :—

24, or 27.27 per cent., were bottle-fed.

27, or 30.68 per cent., were fed naturally.

10, or 11.37 per cent., were partly breast and partly bottle fed.

13, or 14.77 per cent., were spoon-fed.

14, or 15.91 per cent., died almost immediately after birth.

District Mortality.

		Infant Deaths.	Births.	Deaths per 1000 Births
Bury North	Moorside Ward	20	194	103
	East Ward	20	197	101
Bury South	Church Ward	15	119	126
	Redvales Ward	15	138	109
Elton Ward	18	218	82	
Whole Borough...	88	866	101	

Number of women dying in, or in consequence of, child-birth :—From Sepsis two, from other causes none.

NOTIFICATION OF BIRTHS ACT, 1907.

The above Act was adopted at a meeting of the Town Council held on February 8th, 1908, and the consent of the Local Government Board having been obtained, came into operation on April 8th, 1908. The Act was, however, extended to all districts on September 1st, 1915.

Under the Notification of Births Act of 1917, 847 births were notified, 703 being notified by midwives, 112 by medical practitioners, and 32 by parents or other persons. Of the total number of births notified, 41 were returned as being "still-born," of which 32 were notified by midwives, 7 by medical practitioners, and two by parents or other persons.

MIDWIVES' ACT.

The number of midwives on the register at the end of the year was 20, as compared with 18 at the end of the year 1922, 14 of whom were trained and certified by examination. Speaking generally, they have complied with the rules and regulations according to the Midwives' Act.

MATERNITY AND CHILD WELFARE.

MOTHERS' WELCOME.

In November, 1916, a Committee of voluntary workers, including representatives of the Bury Co-operative Women's Guild, opened the "Mothers' Welcome" at 12, John Street. The building contains consulting room, play room for children, tea room for mothers, weighing room, lavatories, &c. The Welcome is open every Monday and Thursday afternoon.

In April, 1919, the Centre was taken over by the Corporation, but the voluntary Committee also continued to assist with the work.

At the end of 1923 there were 397 children on the register and 2,314 attendances had been made. There were also 34 expectant mothers on the register, with a total attendance of 129.

In April, 1920, arrangements were made for a Centre to be opened at Wood Street School, Elton. The Centre is open every Wednesday afternoon, and it has met with great success. At the end of 1923 there were 444 children on the register, and 757 attendances had been made. There were also seven expectant mothers on the register, with a total attendance of 40.

Full records are kept of each child, and when considered necessary the child is examined by the Medical Officer in attendance. The Health Visitors have attended on 257 occasions. No treatment is carried out at the Centres, but where the child requires medical attention the mother is directed to consult her own medical man.

MILK (Mothers and Children) ORDER, 1919.

During the year 108 applications were received for free milk under the above Order, of which 88 were granted and 20 refused.

COMPLICATED CASES OF LABOUR.

In June, 1920, arrangements were made with the Board of Management of the Bury Infirmary for the treatment of complicated cases of Labour. During 1923 six patients were treated at the institution.

Table showing the number of cases of Infectious Disease notified from 1904 to 1923.

DISEASE.	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	
Smallpox	25	33	1	40	98	389	564	220	139	296	250	156	112	85	50	27	76	138	185	139	
Scarlet Fever	261	197	90	40	98	389	564	220	139	296	250	156	112	85	50	27	76	138	185	139	
Diphtheria and Membranous Croup	73	55	35	48	52	59	44	44	13	66	59	51	48	165	114	115	74	49	46	56	
Enteric Fever....	22	33	33	18	15	9	18	25	6	7	8	8	5	7	5	7	1	1	1	4	
Continued Fever.	1	3	3	1	2	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Puerperal Fever..	11	4	11	14	9	5	4	6	6	6	4	3	2	4	2	3	6	7	7	3	
Measles .....	..	..	..	..	..	..	..	..	..	..	..	135	1082	668	235	..	..	..	..	..
Erysipelas	10	46	42	35	26	38	40	32	41	28	36	48	29	18	16	28	25	20	22	28	
†Chickenpox .....	..	79	..	..	..	..	..	..	..	..	..	223	103	138	97	190	237	181	189	..
Poliomyelitis .....	..	..	..	..	..	..	..	..	2	..	1	..	..	..	..	..	1	..	..	..
Encephalitis Lethargica.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	..	3
Ophthalmia Neonatorum	1	4	15	15	22	21	6	11	12	17
†Pneumonia .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	149	53	45	160	205
†Malaria .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	23	10	2	..	..
†Dysentery .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
TOTALS.	403	450	215	156	202	500	670	357	208	408	373	281	577	1485	999	697	449	515	619	633	

† Made notifiable on Mar. 29th, 1916.

‡ Made notifiable Mar. 1st, 1919.

Cases of Infectious Disease notified during the Year 1923.

Notifiable Disease.	Cases notified in whole District.								Total Cases notified in each locality.		No. of Cases Removed to Hospital from each locality		Total Cases Remov'd to Hospit'l	
	At all Ages	At Ages—Years.							Registration Sub-District.	Bury.	Elton.			
		Under 1	1 to 5	5 to 15	15 to 25	25 to 45	45 to 65	65 and upwards.			Bury.	Elton.		
Smallpox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cholera .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria (including Membranous Croup)	56	1	12	33	6	3	1	..	43	13	40	12	52	52
Erysipelas.....	28	..	1	1	1	7	15	3	23	5	2	1	3	3
Scarlet Fever	130	1	30	89	16	3	..	..	120	19	103	16	119	119
Typhus Fever .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Enteric Fever.....	4	..	..	..	..	2	1	1	..	4	..	4	..	4
Relapsing Fever .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Encephalitis Letharg.	3	..	..	..	..	..	1	2	..	3	..	..	..	..
Poliomyelitis .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ophthalmia Neonatorum..	6	6	..	..	..	..	..	..	6	..	..	..	..	..
Chicken-pox	189	5	68	113	2	1	..	..	156	33	..	..	..	..
Pneumonia	205	5	34	14	28	47	56	21	151	54	..	..	..	..
Malaria.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dysentery .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Puerperal Fever ..	3	..	..	..	..	..	3	..	..	3	..	..	..	..
TOTALS....	633	18	145	250	65	66	75	24	509	124	149	29	178	178

Number of Cases of Infectious Disease notified in each Month of the Year.

	Scarlet Fever.	Diphtheria & Membranous Croup.	Enteric Fever.	Puerperal Fever.	Erysipelas.	Polio-myelitis.	Chicken-pox.	Ophthalmia Neonatorum.	Encephalitis Lethargica	Pneumonia.	Malaria.
January	15	8	..	..	3	..	19	1	..	21	..
February....	10	9	..	..	7	..	14	..	..	18	..
March	6	1	..	..	3	..	31	1	1	26	..
April	12	1	..	..	..	..	15	1	..	23	..
May	11	5	1	..	3	..	..	..	1	85	..
June	6	7	..	..	..	..	..	1	..	21	..
July	13	4	..	1	1	..	11	..	..	8	..
August.....	4	7	..	..	..	..	8	..	..	7	..
September	13	4	..	..	2	..	13	..	..	7	..
October	13	4	3	..	3	..	28	1	1	7	..
November	17	3	..	1	3	..	32	..	..	16	..
December	19	8	..	1	3	..	23	1	..	16	..
TOTALS...	139	56	4	3	28	..	189	6	3	205	..

WARD DISTRIBUTION OF INFECTIOUS DISEASES, 1923.

	Scarlet Fever.	Diphtheria & Membranous Croup.	Enteric Fever.	Puerperal Fever.	Erysipelas.	Ophthal. Neonator'm.	Polio-myelitis.	Chick-enpox.	Pneumonia	Malaria.	Encephalitis Lethargica
Moorside	33	20	4	1	6	3	...	45	48	...	...
East.....	36	12	...	1	8	...	...	47	38	...	...
Church	15	7	...	1	1	1	...	16	27	...	...
Redvales	36	4	...	...	8	2	...	48	38	...	3
Elton	19	13	...	...	5	...	...	33	54	...	...
TOTALS.....	139	56	4	3	28	6	...	189	205	...	3

CASES REMOVED TO THE FLORENCE NIGHTINGALE HOSPITAL FROM
THE VARIOUS WARDS.

	Scarlet Fever.	Diphtheria & Membranous Croup.	Enteric Fever.	Continued Fever.	Puerperal Fever.	Polio-myelitis.	Erysipelas.	Measles.
Moorside ...	28	19	4	...	...	...	2	...
East	34	10	...	...	...	...	...	...
Church	14	7	...	...	...	...	...	...
Redvales	27	4	...	...	...	...	...	...
Elton	16	12	...	...	...	...	1	...
TOTALS.....	119	52	4	...	...	...	3	...

VENEREAL DISEASES.

On February 3rd, 1920, a Venereal Diseases Clinic was opened at the Tuberculosis Dispensary, The Wylde, Bury. The hours of attendance are :—

Tuesdays : 6-30 p.m. to 8-30 p.m. for females.

Fridays : 6-30 p.m. to 8-30 p.m. for males.

The work is carried out by a medical man with special experience in the work, and free treatment is available for all, whether resident in the Borough or not.

The following tables give full particulars of the work carried out at the clinic during the year 1923 :—

VENEREAL DISEASES.

**RETURN relating to all persons who were treated at the Treatment Centre
at Bury during the year ended the 31st December, 1923.**

RETURN relating to VENEREAL DISEASES—Continued.

	For detection of			For Wassermann Reaction.
	Spirochetes.	Gonococci	Other Organisms.	
9. Examinations of Pathological material:—				
(a) Specimens which were examined at, and by the Medical Officer of, the Treatment Centre.	..	97	..	..
(b) Specimens from persons attending at the Treatment Centre which were sent for examination to an approved laboratory.....	..	1	..	356

**STATEMENT showing the services rendered at the Treatment Centre
during the year, classified according to the areas in which the
patients resided.**

OPHTHALMIA NEONATORUM.

Six cases of this disease were notified during the year, all being treated in their own homes. In five instances the vision was unimpaired, and there was one death.

TUBERCULOUS DISEASES.

Pulmonary Tuberculosis caused 54 deaths, of which 49 had been notified by doctors. The rate of mortality was 0.94 per 1,000.

Five deaths occurred from Non-Pulmonary Tuberculosis, of which all had been notified.

Institutional treatment is given to cases of Tuberculosis at the Tuberculosis Dispensary, at the Bury and District Joint Hospital Board's Institution, the Aitken Sanatorium at Holcombe, near Ramsbottom, the Bury Infirmary, the Manchester and Salford Hospital for Skin Diseases, and the Shropshire Orthopædic Hospital, Oswestry.

The Aitken Sanatorium was opened in August, 1910, and the Bury Tuberculosis Dispensary on October 15th, 1914.

THE TUBERCULOSIS DISPENSARY.

The Tuberculosis Dispensary is situated in the Wylde, Bury, and was formerly the Prince's Club. It is situated in the centre of the town quite close to the main tram routes and the railway stations. The building was kindly presented to the town by the Earl of Derby.

The two wards contain eight beds each, half of which number are, by arrangement with the Lancashire County Council, for the sole use of patients from outside the Borough.

The Out-Patient Department is used by the Lancashire County Council on certain half-days per week, when one of their Tuberculosis Officers is in attendance.

NON-PULMONARY TUBERCULOSIS.

An agreement was entered into between the Bury Corporation and the Bury Infirmary in July, 1920, under which cases of Non-Pulmonary Tuberculosis occurring in the Borough are treated at

that Institution. Cases have also been treated at the Shropshire Orthopædic Hospital.

TUBERCULOSIS OF THE SKIN.

Arrangements were made, at the commencement of the year 1921, with the Manchester and Salford Hospital for Skin Diseases, whereby patients from the Borough suffering from Tuberculosis of the Skin could attend and receive appropriate treatment. Under these arrangements eleven patients have been treated during the year.

The following table gives the number of patients treated and the number of patient days in the various institutions :—

	No. of Patients	No. of Days.
Dispensary	29	1764
Aitken Sanatorium...	60	6040
Bury Infirmary	12	892
Shropshire Orthopædic Hospital	4	506

PUBLIC HEALTH (TUBERCULOSIS) REGULATIONS, 1912.

Summary of Notifications during the period from the 31st December, 1922, to 29th December, 1923.

AGE PERIODS.	NUMBER OF NOTIFICATIONS ON FORM A.										NUMBER OF NOTIFICATIONS ON FORM B.				No. OF NOTIFICATIONS ON FORM C.		
	PRIMARY NOTIFICATIONS.										TOTAL NOTIFICATIONS.				TOTAL NOTIFICATIONS (i.e., including cases previously notified by other Doctors).		
	0 to 1	1 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 35	35 to 45	45 to 55	55 to 65	Under 5	5 to 10	10 to 15	Total.			
Pulmonary Males...	—	—	—	—	3	1	6	8	3	4	1	26	27	—	—	—	22 (13)
,, Females	—	—	—	—	3	3	8	7	1	3	2	27	27	—	—	—	20 (14)
Non-pulmonary Males...	—	3	—	2	4	1	—	—	—	—	—	10	12	—	—	—	5
,, Females	—	—	1	—	1	2	1	2	1	—	1	8	11	—	—	—	5

PUBLIC HEALTH (TUBERCULOSIS) REGULATIONS, 1912.

SUPPLEMENTAL RETURN.

New cases of Tuberculosis coming to the knowledge of the Medical Officer of Health or Chief (Administrative) Tuberculosis Officer during the period from the 31st December, 1922, to 29th December, 1923, **otherwise** than by notification on Form A or Form B under the Public Health (Tuberculosis) Regulations, 1912.

Age periods:	0 to 1	1 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 35	35 to 45	45 to 55	55 to 65	65 and upw'ards	Total Cases.
Pulmonary Males.....	--	--	--	--	--	2	1	1	--	--	--	4
,, Females ...	--	--	--	--	1	--	--	--	--	--	--	2
Non-pulmonary Males...	--	--	--	--	--	--	--	--	--	--	--	--
,, Females.	--	--	--	--	--	--	--	--	1	--	--	1

SMALLPOX.

No case of Smallpox occurred during the year; the last case notified in the Borough was on March 15th, 1916.

SMALLPOX AND VACCINATION.

The following table gives particulars of the state, as regards vaccination, of children born in each of the years 1917 to 1923:—

COUNTY BOROUGH OF BURY.

	Totals 1917	Totals 1918	Totals 1919	Totals 1920	Totals 1921	Totals 1922	Totals 1923
Births	825	748	786	1165	1148	982	921
Vaccinated	249	238	255	298	239	209	239
Insusceptible of Vaccination ...	2	3	0	1	1	2	0
Conscientious Objection Certificates	399	398	388	652	674	604	523
Dead, Unvaccinated ...	53	45	64	92	90	76	67
Postponed by Medical Certificate	6	12	13	23	21	19	16
Removal to districts known.....	6	0	4	7	40	10	14
Removal to districts unknown.....	8	6	3	10	28	11	8
Unaccounted for	102	46	59	82	55	51	54

Table showing percentage of Vaccination, and also comparison with the years 1917, 1918, 1919, 1920, 1921, 1922:—

	Year ending December 31st,						
	1917	1918	1919	1920	1921	1922	1923
Number of Births ...	825...	748...	786...	1165...	1148...	982...	921
Vaccinated ...	30.18...	31.82...	32.44...	25.58...	20.82...	21.28...	25.95
Con. objection Certs.	48.36...	53.21...	49.37...	55.97...	58.71...	61.51...	56.79
Unaccounted for ...	12.36...	6.15...	7.51...	7.04...	4.01...	5.19...	5.86

From the above it will be seen that the percentage of children vaccinated shows, with slight fluctuations, a gradual decrease until 1922, when there was a slight increase. There was also a noted increase in 1923. It is hardly necessary to point out the seriousness of such a state of affairs. Should Smallpox be introduced into the town, as is by no means unlikely, it will have every opportunity of assuming epidemic proportions—especially if the case should be of the mild type which is now so frequent. Such a case may easily go unrecognised by the public until a large number of persons have been infected. The advisability of vaccination and re-vaccination cannot be too strongly urged upon the public.

BACTERIOLOGICAL EXAMINATIONS.

The following are the particulars of the specimens examined during the year at the Public Health Laboratory, Manchester :—

	Positive	Negative	Doubtful	Total
Diphtheria	10	35	0	45
Typhoid Fever	1	2	1	4
Sputum for Tuberculosis	17	52	0	69

ANTITOXIN.

Towards the end of the year 1910 sanction was obtained from the Council to supply the medical practitioners of the district with Antitoxin free, for patients suffering from Diphtheria within the Borough.

HOSPITAL ACCOMMODATION AND AMBULANCE FACILITIES.

Cases of infectious disease, including Smallpox, requiring removal are sent to the Hospitals under the control of the Bury and District Joint Hospital Board, viz. :—Ainsworth Hospital, near Bolton, for Smallpox; and the Florence Nightingale Hospital, Bury, for other infectious diseases. General Hospitals in the district are the Bury Infirmary and the Union Hospital, Bury.

The Bury and District Joint Hospital own two motor ambulances, which are used for the removal of cases of Infectious Disease, and patients suffering from Tuberculosis. The Bury Corporation own two motor ambulances, which are used for the removal of accident cases and cases of serious illness requiring hospital treatment.

NURSING FACILITIES.

The Bury Branch of Queen Victoria's Jubilee Institute for Nurses provides Nurses for the sick poor in their own homes. The Corporation have also made arrangements with the Institute for the nursing of cases of Measles and Ophthalmia Neonatorum where necessary.

COMMON LODGING HOUSES.

The number of Common Lodging Houses in the Borough is 14, which provide 275 beds.

HOUSES LET-IN-LODGINGS.

("Furnished Rooms.")

The number of houses now on the register is 31. 149 rooms of these houses are let off as furnished apartments, giving accommodation for 343 adults and 61 children.

PETROLEUM ACTS.

Under these Acts two licences have been granted for the storage of benzine and benzoline, sixty-four for petrol, and sixteen for calcium carbide. In all cases the petrol is kept in metal vessels and drums in properly constructed stores. The stores for petrol are 23 underground tanks, fitted with pumps, 14 for storage in barrels, and 27 for storage in two gallon tins, one in tanks above ground (for benzine). The calcium carbide is kept in metal vessels with airtight lids, in dry places, generally in the shops and warehouses. In six cases the carbide is used for the generation of acetylene gas for welding and nine for lighting purposes.

EXPLOSIVES ACTS.

Sixty persons were registered for the sale of explosives during the year as required by these Acts, being for the sale of fireworks or mixed explosives, &c. The sale of fireworks only lasts for about two or three weeks, i.e., the last week in October and the first and second weeks in November. During this period the shops were visited, and the fireworks were found to be stored with few exceptions in accordance with the regulations made, dummy fireworks being exposed in the windows. Gunpowder is sold by the ironmongers and locksmiths, and is kept in safes in small quantities.

CANAL BOAT ACTS, 1877 and 1884.

The work of inspection of the canal boats is carried out by Inspector Kay. No boats registered under the above Acts visited the Wharf at Bury Bridge during the year. Twelve visits were paid to the Wharf.

SMOKE OBSERVATIONS.

263 smoke observations of the mill chimneys situated within the Borough have been taken, each being of 30 minutes' duration. The aggregate amount of black smoke evolved was 217 minutes, which is equal to an average of 0.93 minutes for each observation. The time limit (2 minutes in 30) permitted by your Council has been exceeded in 5 instances by 5 firms, this being equal to 1.90 per cent. of the total observations taken, the aggregate amount of black smoke emitted by these firms being 33 minutes, which is equal to an average of 6 minutes and 36 seconds for each observation. The average amount of black smoke emitted by the chimneys under the limit was equal to 1.27 minutes.

35 firms equalled the limit of 2 minutes.

After the observation has been made the usual course has been taken, viz., to send a notification of the amount of black smoke emitted to the firm, and in cases where the limit has been exceeded the works have been visited in order to see if there were any defects in the boilers, &c., which may have caused the nuisance, this course being much appreciated by the owners, as it enables them to trace or check the cause of the nuisance.

The following table gives the results of the five observations exceeding the limit :—

	Black mins	Moderate mins.	None mins.
*W.M. Co.	5½	14	10½
*B.M. Co.	10½	9½	10
*J. & A.E.	3½	13	13½
*U.C.P.	6½	20	3½
*B. & B.	6	22	2

* Legal notice served.

DISINFECTION.

The following is a summary of the disinfection carried out during the year in the reported cases of Infectious Diseases :—

260 rooms in 239 houses were disinfected with the fumes of either sulphur or formaldehyde, and the walls of 540 rooms in 260 houses sprayed with a solution of either formalin or carbolic acid.

74 rooms in 43 houses have been disinfected with the fumes of formalin or sulphur, and the walls of 119 rooms in 43 houses sprayed with a solution of formalin, after the occurrence of deaths from or the removal of cases of Phthisis.

Nine parcels of infected clothing and 38 sets of infected bedding have been disinfected by steam.

MILK AND CREAM REGULATIONS, 1912 and 1917.

The following is a report made by Mr. Cass, Food and Drugs Inspector, with regard to the above Regulations, for the year 1923 :—

1. MILK AND CREAM not sold as preserved Cream.

Number of samples examined for the presence of a preservative.	Number in which a preservative was reported to be present.
Milk 43	Nil.
Cream 0	Nil.

2. CREAM sold as preserved Cream :—None taken.

HOUSING.

Number of new houses erected during the year :—

(a) Total	38
(b) As part of a municipal housing scheme	13

1. *Unfit dwelling-houses.*

Inspection—(1) Total number of dwelling-houses in-spected for housing defects (under Public Health or Housing Acts)	121
(2) Number of dwelling-houses which were inspected and recorded under the Housing (Inspection of District) Regulations, 1910	11
(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	3
(4) Number of dwelling-houses (exclusive of those referred to under the preceding sub-heading) found not to be in all respects reasonably fit for human habitation	92

2.	<i>Remedy of Defects without Service of formal Notices.</i>	
	Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their Officers	80
3.	<i>Action under Statutory Powers.</i>	
A.—	Proceedings under Section 28 of the Housing, Town Planning, &c., Act, 1919.	
(1)	Number of dwelling-houses in respect of which notices were served requiring repairs	2
(2)	Number of dwelling-houses which were rendered fit :—	
	(a) by owners	1
	(b) by Local Authority in default of owners	1
(3)	Number of dwelling-houses in respect of which Closing Orders became operative in pursuance of declarations by owners of intention to close	nil
B.—	Proceedings under Public Health Acts.	
(1)	Number of dwelling-houses in respect of which notices were served requiring defects to be remedied	3
(2)	Number of dwelling-houses in which defects were remedied :—	
	(a) by owners	2
	(b) by Local Authority in default of owners	nil
C.—	Proceedings under Sections 17 and 18 of the Housing, Town Planning, &c., Act, 1909.	
(1)	Number of representations made with a view to the making of Closing Orders	6
(2)	Number of dwelling-houses in respect of which Closing Orders were made	6

(3) Number of dwelling-houses in respect of which Closing Orders were determined, the dwelling-houses having been rendered fit...	2
(4) Number of dwelling-houses in respect of which Demolition Orders were made	<i>nil</i>
(5) Number of dwelling-houses demolished in pursuance of Demolition Orders	<i>nil</i>

NUISANCES.

Number of Legal Notices served	14
,, Preliminary Notices served...	12
,, Letters in lieu of Notices	517
,, Verbal Notices...	312
,, Letters sent other than Notices ...	292

**FACTORIES, WORKSHOPS, LAUNDRIES, WORKPLACES,
AND HOMEWORK.**

I.—INSPECTION

Including inspections made by Sanitary Inspectors.

Premises.	Number of		
	Inspections.	Written Notices.	Prosecutions.
Factories (including Factory Laundries).....	232	26	—
Workshops (including Workshop Laundries)	108	8	—
Workplaces (other than Outwork'rs' Premises).....	141	42	—
Total.....	481	76	—

2.—DEFECTS FOUND.

Particulars.	Number of Defects.			Number of Prosecutions.
	Found.	Remedied.	Referred to H.M. Inspector	
<i>Nuisances under the Public Health Acts :—</i>				
Want of Cleanliness	2	2	..	..
Want of Ventilation	1	1	..	..
Overcrowding .....	..	..	..	..
Want of drainage of floors .....	..	..	..	..
Other Nuisances....	57	57	..	..
Sanitary accommodation {	5	5	..	..
Insufficient	5	5	..	..
Unsuitable or defective	16	16	..	..
Not separate for sexes	..	..	..	..
<i>Offences under the Factory and Workshop Act :—</i>				
Illegal occupation of underground bakehouse (S. 101) .....	..	..	..	..
Breach of special sanitary requirements for bakehouses (SS. 97 to 100) ....	..	..	..	..
Other offences (excluding offences relating to Outwork, which are included in part 3 of this report).....	..	..	..	..
Total	81	81	..	..

OTHER MATTERS.

Class.

Number.

Matters notified to H.M. Inspectors of Factories :—

Failure to affix Abstract of the Factory & Workshop Act (S.133) —

Action taken in matters referred by H.M. Inspectors as remediable under the Public Health Acts, but not under the Factory and Workshop Act (S. 5). Notified by H.M. Inspector 1 Reports (of action taken) sent to H.M. Inspectors. 1

Other —

Underground Bakehouses (S. 101) :—

Certificates granted during the year

In use at the end of the year 2

Homework :—

List of Outworkers (S. 107) :—

Lists received :— Twice in the year
Once in the year

Number of

Lists.	Outworkers.
2	10

Addresses of outworkers { forwarded to other Authorities.
received from other Authorities

Inspection of Outworkers' Premises

10

Homework in unwholesome or infected premises :—

Notices prohibiting homework in unwholesome premises (S. 108)

Cases of infectious disease notified in homeworkers' premises

Orders prohibiting homework in infected premises (S. 110)

Wearing Apparel.	Other.
—	—
—	—
—	—

Workshops on the Register (S. 131) at the end of the year 1923

Important classes of workshops, such as workshop bakehouses, may be enumerated here.	Bakehouses	91
	Blacksmiths	14
	Brush Manufacturers	4
	Boot and Shoe Makers and Repairers	40
	Cloggers	24
	Cabinet Makers and Joiners	16
	Dress and Mantle Makers	20
	Wheelwrights	4
	Workplaces	25
	Marine Store Dealers & Metal Brokers	9
	Painters and Decorators	18
	Plumbers	17
	Saddlers	4
	Tailors	27
	Milliners	40
	Other Trades	52
	Total number of workshops on register	... ...

**REPORT ON THE INSPECTION OF MEAT AND OTHER
FOODS, 1923.**

RAILWAY CATTLE DOCKS.

The number of animals which arrived in the Borough during the past year is as follows :—

Beasts.	Sheep and Lambs.	Pigs.	Calves.	Total.
4829	20457	2696	3	27985

ABATTOIRS.

During the past year the various animals, carcasses, &c., passing through the Abattoirs have been carefully examined, both before and after slaughter. The quality has been of a uniformly high standard. During the last four months of the year there was a decrease in the number of animals brought to the Abattoirs owing to Foot and Mouth Disease restrictions; on several occasions animals were held up and slaughtered at the port of landing.

NUMBER OF ANIMALS SLAUGHTERED AT THE ABATTOIRS.

	Beasts.	Sheep and Lambs	Pigs.	Calves.	Total.
January	410	1638	264	69	2381
February	520	1791	383	73	2767
March	367	1350	238	47	2002
April	352	1262	228	25	1867
May	421	1978	260	26	2685
June	295	1956	200	28	2479
July	227	2231	148	39	2645
August	338	2648	165	42	3193
September...	323	1849	241	77	2490
October	453	2112	420	108	3093
November	361	1410	285	83	2139
December	351	1211	691	46	2299
<hr/>					
Total, 1923 ...	4418	21436	3523	663	30040
<hr/>					
Total, 1922 ...	4794	25228	3356	591	33969
<hr/>					

Table showing extent of Tuberculous Diseases and Weight of Diseased Meat Destroyed, year ending
December 31st, 1923.

Kind of Animal.	Number Examined.	EXTENT OF TUBERCULOSIS IN ANIMALS EXAMINED.										OTHER DISEASES.		
		THORAX.					ABDOMEN.					Weight of Meat and Offal destroyed on account of other diseases.	Total Weight of Meat destroyed for all diseases.	
		Heads.	Lungs	Pericardium	Kidneys	Spleens.	Stomachs	Intestines	Uteri.	Mesenteries	Udders	Entire Carcasses Condemned owing to Tuberculosis	Weight of Meat and Offal destroyed on account of Tuberculosis	
Beasts		Bulls ... 796	10	15	18	22	33	15	10	9	5	1	17	6
	Oxen ... 2479	15	22	10	22	33	15	10	9	5	1	15	2 Oxen.	
	Cows ... 118	22	13	13	—	—	—	—	—	—	—	3 Cows.	3318	
	Heifers 1025	13	—	—	—	—	—	—	—	—	—	1 Heifer	8406	
		4418	60	—	—	—	—	—	—	—	—	—	11724	
Sheep ...	21436	...	...	...	...	...	...	...	...	...	...	...	1717
Pigs.....	3523	54	49	38	4	5	33	1	10	5	...	8 pigs	2611	
	663	...	...	...	...	...	...	...	...	1	11	...	556
Calves...										...	...	...	3167
	30040	114	67	90	14	27	66	16	20	14	3	16	178	
										...	...	...	178
										—	—	—	16786	
										—	—	—	5769	
										—	—	—	11017	
										—	—	—	16786	

During the year 229 carcases required special examination, of which number 114 were affected with Tuberculosis in varying degree as set out in table appended.

Bulls	affected	in a more or less degree	to the extent of	1.3%
Oxen	"	"	"	0.6%
Cows	"	"	"	18.6%
Heifers	"	"	"	1.2%

The percentage of meat (all classes) destroyed on account of Tuberculosis was :—

Beef, 0.25%. Pork, 0.33%.

It was also found necessary to condemn and destroy (for causes other than Tuberculosis) the entire carcases and organs of 3 beasts, 9 sheep, 5 pigs, and 3 calves.

On five occasions the Inspector has been called upon to examine carcases slaughtered in emergency. In one case slaughter had been performed sufficiently early to enable the carcase being sold for food. In the other four cases, the carcases and organs were surrendered and destroyed.

During the year the butchers' shops, fish shops, markets and food preparing places, &c., have been constantly kept under supervision, regular and frequent visits having been paid to same, the meat, fish, &c., coming under observation having, with a few exceptions, been satisfactory.

Three persons were prosecuted during the year for exposing diseased meat for sale. Fines of £20, £30, and £40 were imposed.

DAIRIES, COWSHEDS, AND MILKSHOPS.

93 visits have been made.

During the year applications for registration under the Milk and Dairies (Amendment) Act, 1922, were received as follows :—

- (a) 51 from Producers to sell milk by retail.
- (b) 17 ,, Shopkeepers do.
- (c) 15 ,, Roundsmen do. .
- (d) 41 ,, Roundsmen do.

(From outside the Borough.)

A detailed report in respect to the whole trade has been submitted, and a Sub-Committee appointed to deal with the question of registration.

Minimum requirements have been laid down as follows:—

- (a) and (c) To provide adequate milk-store or dairy separate from shippion or house.
- (b) Registration shall be refused where in addition to milk
 - (1) Articles attracting flies, e.g., open jams, open sugar, jam tarts, soft fruit, or
 - (2) Articles with strong odours and creating dust, e.g., open pickles, paraffin, &c., firewood, &c., are also exposed for sale.

CONTAGIOUS DISEASES (ANIMALS) ACTS.

ANTHRAX.

During the year two cases of Anthrax were confirmed in the Borough. In each case the carcase was cremated on the spot and the premises thoroughly disinfected.

FOOT AND MOUTH DISEASE.

During the last four months of the year, the Borough became part of a scheduled area, and movement of animals was only allowed under licence.

Owing to the widespread nature of the outbreak and the frequent closing of the ports, it was only with considerable difficulty that supplies of fat stock were maintained.

It is gratifying to record, however, that the special facilities of Bury Abattoirs, with its contained cattle dock and railway siding, has been fully recognised by officials of the Ministry during this time, and consequently, whenever possible, movement has been allowed to Bury when licences have been withheld from towns less favoured than Bury in this respect.

OFFENSIVE TRADES.

78 visits have been paid to the various offensive trade establishments in the Borough. The offensive trades as a whole are carried on with the minimum of nuisance. During the year complaints were received in connection with one of these establishments; an interview was arranged with the managing director, and certain improvements were suggested. These were promptly attended to, and no further complaint has been received.

SUMMARY OF VISITS OF THE HEALTH VISITORS.

- 866 visits to houses where births have been registered.
- 2111 re-visits to children under one year of age.
- 5751 ,, ,, over one and under five years.
- 140 visits to expectant mothers.
- 160 re-visits ,, ,,
- 88 visits to houses in which deaths in infants under one year of age have occurred.
- 3060 re-visits to babies during the summer diarrhoea season.
- 257 visits to Mothers' Welcome.
- 701 visits to homes in which cases of suspected Measles, Whooping Cough, Ringworm, &c., existed.
- 66 visits to houses in which cases of Tuberculosis have been notified.
- 1905 re-visits ,, ,, ,, ,, ,,
- 174 visits and re-visits to houses in which cases of Chicken-pox have been notified.
- 23 visits and re-visits to cases of Ophthalmia Neonatorum.
- 4 visits and re-visits to cases of Puerperal Fever.
- 66 visits to Midwives.
- 632 visits re applications for free milk.
- 41 ,, ,, maternity grant.
- 43 ,, to houses for disinfection.
- 118 miscellaneous visits.

SUMMARY OF VISITS OF THE SANITARY INSPECTORS.

ANNUAL REPORT OF THE BOROUGH ANALYST.

ANALYTICAL LABORATORIES,

54, ARCADE CHAMBERS, ST. MARY'S GATE,

MANCHESTER,

January 22nd, 1924.

*To the Chairman and Members of the Health Committee
of the Corporation of Bury.*

Gentlemen,

I beg to report that I have received from your Inspector during the year ended December 31st, 1923, 67 samples consisting of the following articles:—

Milk	...	43	samples.
Cocoa	...	11	„
Butter	...	4	„
Coffee	...	4	„
Pepper	...	2	„
Mustard	...	1	sample.
Vinegar	...	1	„
Medicated Wine	...	1	„

All these samples were carefully examined, and with two exceptions were found to be genuine or otherwise according to standard.

The exceptions were two samples of milk, which were found to contain 5 per cent. and 7.3 per cent. of added water. I understand the vendors of these samples were not prosecuted. The other samples of milk were clean, of fair quality, and free from preservatives.

As several cases of cocoa containing arsenic had been reported in one or two Boroughs, the 11 samples received, representing the various standard brands being sold in the Borough, were most carefully examined for this dangerous and poisonous impurity, but no traces were found.

The samples of butter were of good quality and free from preservatives.

The samples of coffee, pepper, mustard, and vinegar were all found to be genuine.

The sample of medicated wine was labelled "Blood" Wine, and on analysis proved to be the Vinum Ferri Citratis of the British Pharmacopœia and in accordance with the standard prescribed.

All these samples, except the medicated wine, were formally taken.

I am,

Yours faithfully,

(Signed) THOS. J. HUTCHINSON,

Borough Analyst.

TABLE I.—TABLE OF NUISANCES.

Type of Nuisance dealt with.

TABLE II.

Table showing the Type and Number of Conveniences in the Borough in 1923.

	Moorside.	East.	Redvales.	Church.	Elton.	Totals.
Number of Dwelling-houses	3713	2994	2843	1473	3342	14365
,, , Factories	34	60	44	41	54	233
,, , Workshops and Lock-up Shops	43	58	60	219	64	444
,, , Public Institutions and Places	24	24	27	34	14	123
,, , Water Closets...	2042	1768	1724	1365	1324	8223
,, , Waste Water Closets...	927	627	845	185	600	3184
,, , Privy Closets	919	681	943	217	1470	4230
,, , Pail Closets.	70	31	84	68	307	560
,, , Tank Closets	—	—	—	2	4	8
,, , Dry Ashpits	883	590	495	251	498	2717
,, , Ashbins	765	642	556	514	644	3121

TABLE III.
Table giving particulars of the Conversions carried out during the past five years and the five years previous to 1914.

	1910	1911	1912	1913	1914	1919	1920	1921	1922	1923
Privy closets converted to fresh-water closets	152	154	164	293	264	43	70	23	75	166
Pail closets converted to fresh-water closets	15	32	16	27	54	16	6	2	12	6
Additional fresh-water closets provided—Outside	15	27	21	25	53	4	5	8	24	9
,, ,, ,, ,, ,, Inside	5	3	17	17	22	16	35	22	18	29
Waste-water closets replaced by fresh-water closets	1	2	6	9	2	4	8	4	3	6
Trough ,, ,, ,, ,, ,,	—	—	—	—	—	5	—	—	—	—
Total number of fresh-water closets fixed in connection with old property	188	218	224	371	395	88	124	59	132	216
Privity middens altered and converted to dry ash pits	53	60	59	109	109	12	28	4	30	67
,, ,, ,, ,, ashbins	26	20	32	43	43	15	6	9	4	26
Dry Ash pits ,, ,, ,, ,, ashbins	—	—	11	11	20	3	3	5	1	6
Number of ashbins provided (galvanised iron) fixed	17	19	26	52	78	4	3	10	2	11
,, ,, ,, ,, portable	47	40	41	59	90	25	10	14	10	64
Number of cesspools cleared out	—	—	—	2	—	1	1	—	—	—
Number of dry ash pits provided	53	63	60	109	109	12	31	5	30	66

TABLE IV.

THE BURY AND DISTRICT JOINT WATER BOARD.

RAINFALL AT WORKSHOP YARD, PARSONS LANE.

	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923
January ..	2.09	3.48	5.88	6.72	3.54	3.45	3.29	3.56	2.13	5.39	2.22	4.26	2.86	5.65	1.59	4.87	4.95	2.98	6.22	3.47	3.63	3.79	5.35	5.02	7.37	4.76	4.62
February	2.67	3.84	1.66	3.80	1.84	1.94	3.87	3.86	2.43	3.71	2.74	3.87	2.67	4.27	5.02	1.71	1.73	2.64	5.04	4.75	1.53	5.87	1.19	4.75	0.50	5.26	6.84
March ..	4.14	2.14	2.73	0.68	2.28	2.48	4.72	2.57	3.44	3.51	3.82	3.37	3.39	0.88	2.11	6.46	5.02	5.93	1.89	2.37	2.99	2.13	7.06	3.74	3.64	3.30	2.17
April ...	2.91	2.15	3.90	2.54	2.57	2.37	2.21	2.64	3.20	2.27	1.85	2.50	3.63	2.71	2.93	1.00	4.96	1.96	1.83	3.59	1.88	1.04	2.59	5.01	1.70	2.53	3.81
May ..	2.07	4.19	3.18	1.79	0.88	3.00	4.50	2.56	0.52	3.60	4.38	3.16	2.35	3.30	2.46	3.13	3.39	2.55	1.53	2.78	1.58	3.13	2.11	7.22	2.67	2.03	4.30
June	4.74	2.93	1.69	3.57	1.95	1.28	1.66	1.29	3.53	1.97	7.62	2.02	2.69	3.31	3.04	5.95	2.58	1.56	2.75	3.13	2.40	1.87	1.67	3.16	0.44	2.68	0.91
July ..	1.76	0.56	2.07	2.73	1.56	2.88	3.81	1.86	2.56	1.96	2.81	5.02	6.83	4.14	0.22	5.34	1.17	4.89	4.51	2.02	2.31	3.98	2.07	8.17	1.89	4.91	5.04
August ..	3.97	7.50	1.42	6.76	2.49	3.16	5.36	4.85	5.10	4.75	4.46	3.45	3.24	6.05	2.47	7.58	2.98	3.46	5.62	3.30	6.64	3.64	3.87	2.73	6.07	5.04	6.02
September	4.30	1.37	6.19	1.53	1.70	1.80	5.42	1.45	2.70	1.57	1.20	3.93	2.65	0.21	4.03	1.76	2.06	4.77	0.61	2.78	2.48	12.53	1.88	3.02	1.47	4.57	4.70
October ..	2.30	4.37	3.19	6.19	2.82	4.67	9.24	2.38	3.54	7.08	4.09	1.83	5.68	3.58	3.74	5.50	2.01	2.74	1.95	8.52	9.17	4.39	2.76	1.66	2.83	0.62	6.34
November	5.14	3.26	1.48	3.73	6.01	2.39	3.90	4.20	4.49	3.59	3.56	3.03	1.52	5.43	4.50	3.57	5.05	5.90	2.31	3.10	5.35	2.87	3.74	1.97	3.17	3.83	7.64
December	5.43	4.33	3.21	5.50	3.18	3.48	2.06	3.08	0.69	5.01	4.24	3.12	8.01	4.33	7.25	5.34	6.49	8.36	3.34	2.41	10.10	7.05	3.86	7.10	5.56	5.25	
TOTAL	41.52	40.12	36.60	45.54	30.62	32.90	50.04	34.30	34.13	44.41	42.99	39.56	45.52	43.36	39.36	52.21	38.80	45.87	42.62	43.15	42.37	55.34	41.34	50.31	38.85	45.09	57.64

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